

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Original) Method of improving the performance of a mobile radiocommunication system, in which method a network element, known as the first network element, transmitting to mobile terminals, receives at least one information element from at least one other network element, known as the second network element, said information element indicating the initial transmission power for transmission to a mobile terminal, in the case of radio link reconfiguration between said first network element and said mobile terminal, which can produce a change in the transmission power for this radio link.

2. (Original) Method according to claim 1, in which said first network element corresponds to a base station, or node B in a UMTS type system.

3. (Currently Amended) Method according to claim 1 ~~or 2~~, in which said second network element corresponds to a base station controller, or radio network controller (RNC) in a UMTS type system.

4. (Currently Amended) Method according to ~~one of claims 1 to 3~~ claim 1, in which said second network element corresponds to a network element having a function for controlling

communication with said mobile terminal, including a radio link reconfiguration control function, in particular, in a UMTS type system, a radio network controller or RNC having an SRNC (Serving Radio Network Controller) role.

5. (Currently Amended) Method according to ~~one of claims 1 to 4~~claim 1, in which said second network element corresponds to a network element controlling said first network element, in particular, in a UMTS type system, a radio network controller or RNC controlling a node B or having a CRNC (Controlling Radio Network Controller) role for this node B.

6. (Currently Amended) Method according to ~~claims 4 and 5~~claim 4, in which said second network element corresponds to a network element controlling said first network element, in particular, in a UMTS type system, a radio network controller or RNC controlling a node B or having a CRNC (Controlling Radio Network Controller) role for this node B, and further in which, in particular in a UMTS type system, said information element indicating initial transmission power is transmitted from an RNC having an SRNC role and a CRNC role for a node B, to this node B, according to the NBAP (Node B Application Part) protocol.

7. (Currently Amended) Method according to ~~one of claims 1 to 4~~claim 1, in which said second network element corresponds to a network element not controlling said first network element, and said first network element receives said information element indicating initial transmission power, from said second network element, via a third network element controlling

said first network element, in particular, in a UMTS type system, via a radio network controller or RNC having a DRNC (Drift Radio Network Controller) role.

8. (Currently Amended) Method according to ~~claims 4 and 7~~claim 4, in which said second network element corresponds to a network element not controlling said first network element, and said first network element receives said information element indicating initial transmission power, from said second network element, via a third network element controlling said first network element, in particular, in a UMTS type system, via a radio network controller or RNC having a DRNC (Drift Radio Network Controller) role, and further in which, in particular in a UMTS type system, said information element indicating initial transmission power is transmitted from an RNC having an SRNC role, to an RNC having a DRNC role and a CRNC role for a node B, according to the RNSAP (Radio Network Subsystem Application Part) protocol, then retransmitted from this latter RNC to the node B, according to the NBAP (Node B Application Part) protocol.

9. (Currently Amended) Method according to ~~one of claims 1 to 8~~claim 1, in which said information element is received in a radio link reconfiguration command message.

10. (Currently Amended) Method according to ~~one of claims 1 to 9~~claim 1, in which said information element is received in a synchronized radio link reconfiguration command message.

11. (Currently Amended) Method according to ~~one of claims 1 to 9~~claim 1, in which said information element is received in an unsynchronized radio link reconfiguration command message.

12. (Currently Amended) Method according to ~~one of claims 9 to 11~~claim 9, in which, in a UMTS type system, said radio link reconfiguration command message corresponds to a "radio link reconfiguration prepare" message.

13. (Currently Amended) Method according to ~~one of claims 9 to 11~~claim 9, in which, in a UMTS type system, said radio link reconfiguration command message corresponds to a "radio link reconfiguration request" message.

14. (Currently Amended) Method according to ~~one of claims 1 to 13~~claim 1, in which said initial transmission power is used by said first network element for a radio admission control algorithm.

15. (Currently Amended) Method according to ~~one of claims 1 to 13~~claim 1, in which said initial transmission power is used by said first network element for a power control algorithm.

16. (Currently Amended) Network element, including means for implementing a method according to ~~one of claims 1 to 15~~claim 1.

17. (Original) Base station controller (RNC₁), including means (1) for transmitting to a base station (node B) at least one information element indicating the initial transmission power for transmission to a mobile terminal (UE), in the case of radio link reconfiguration between said base station and said mobile terminal, which can produce a change in the transmission power for this radio link.

18. (Original) Base station controller (RNC₂), including means (4) for transmitting to a base station controller (RNC₃) at least one information element indicating the initial transmission power for transmission to a mobile terminal (UE), in the case of radio link reconfiguration between a base station and said mobile terminal, which can produce a change in the transmission power for this radio link.

19. (Original) Base station controller (RNC₃), including means (5) for receiving from a base station controller (RNC₂) at least one information element indicating the initial transmission power for transmission to a mobile terminal, in the case of radio link reconfiguration between a base station and said mobile terminal, which can produce a change in the transmission power for this radio link, and for retransmitting said information element to said base station.

20. (Original) Base station (node B) including means (2, 6) for receiving from a base station controller (RNC₁, RNC₃) at least one information element indicating the initial transmission power for transmission to a mobile terminal (UE), in the case of radio link reconfiguration between said base station and said mobile terminal, which can produce a change in the transmission power for this radio link.

21. (Original) Base station according to claim 20, including means (3, 7) for using said information element for a radio admission control algorithm.

22. (Original) Base station according to claim 20, including means (3, 7) for using said information element for a power control algorithm.

23. (Currently Amended) Mobile radiocommunication system, including means for implementing a method according to ~~one of claims 1 to 15~~claim 1.